

| L Number | Hits  | Search Text  | DB  | Time stamp       |
|----------|-------|--|---|------------------|
| -        | 19926 | (test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back))))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 09:41 |
| -        | 16755 | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010629  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:05 |
| -        | 3036  | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010629) and((buffer or driver)and(timing or compare or speed or test or signal).ab.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:05 |
| -        | 84    | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010629) and((buffer or driver)near3(timing or compare or speed or test or signal).ab.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:05 |
| -        | 0     | "09894007"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 09:59 |
| -        | 1     | "09/894007"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 09:59 |
| -        | 125   | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010629) and((buffer or driver)near3(timing or circuit or compare or speed or test or signal).ab.)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:00 |
| -        | 0     | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010629) and "09/894007"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:03 |
| -        | 1     | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and "09/894007"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:04 |
| -        | 16804 | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:05 |
| -        | 3042  | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630) and((buffer or driver)and(timing or compare or speed or test or signal).ab.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:30 |
| -        | 86    | ((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630) and((buffer or driver)and(timing or compare or speed or test or signal).ab.) and((buffer or driver)near3(timing or compare or speed or test or signal).ab.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:06 |
| -        | 0     | bist near ((i/o or io) near buffer near circuit).ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:07 |

|   |     |  |   |                  |
|---|-----|--|---|------------------|
| - | 0   | bist with ((i/o or io) near buffer near circuit).ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:07 |
| - | 8   | bist with ((i/o or (buffer near circuit))).ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:11 |
| - | 38  | fought.in.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:11 |
| - | 579 | (((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630) and((buffer or driver)and(timing or compare or speed or test or signal).ab.)) and (circuit with delay)                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:32 |
| - | 282 | (((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630) and((buffer or driver)and(timing or compare or speed or test or signal).ab.)) and (circuit with delay)) and measure            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 10:32 |
| - | 32  | ((((test\$3 and (BIST or built adj in adj self adj test) and (i/o and(buffer or test or timing or speed or signal or interface))or((ac adj io adj loopback or (loop adj back)))) and @ad<20010630) and((buffer or driver)and(timing or compare or speed or test or signal).ab.)) and (circuit with delay)) and measure) and bist | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:11 |
| - | 0   | measure adj interface adj timing   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:11 |
| - | 0   | measur\$3 adj interface adj timing   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:12 |
| - | 0   | measur\$3 adj driver adj timing  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:12 |
| - | 1   | measur\$3 adj driver adj speed   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:12 |
| - | 14  | measur\$3 adj circuit adj speed  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:14 |
| - | 1   | measur\$3 adj driver adj speed   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:14 |
| - | 0   | measur\$3 adj buffer adj speed   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:18 |

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| - | 22265 | loopback or (loop adj back)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:15 |
| - | 5722  | ((loopback or (loop adj back)) and measure   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:15 |
| - | 38    | ((loopback or (loop adj back)) and measure) and bist   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:15 |
| - | 0     | measur\$3 adj i/o adj speed  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:18 |
| - | 0     | measur\$3 adj i/o adj speed  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:18 |
| - | 2     | measur\$3 adj i/o adj circuit  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:20 |
| - | 2300  | ((loopback or (loop adj back)) and measure) and buffer   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:20 |
| - | 1620  | ((loopback or (loop adj back)) and measure) and buffer) and speed  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:20 |
| - | 1315  | ((loopback or (loop adj back)) and measure) and buffer) and speed) and circuit                                     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:21 |
| - | 1018  | ((loopback or (loop adj back)) and measure) and buffer) and speed) and circuit) and test                           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:21 |
| - | 337   | ((loopback or (loop adj back)) and measure) and buffer) and speed) and circuit) and test) and ac                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:22 |
| - | 293   | ((loopback or (loop adj back)) and measure) and buffer) and speed) and circuit) and test) and ac) and @ad<20010629 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/12 11:23 |
| - | 4152  | ac/io loopback   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 08:58 |

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| - | 2427 | (ac/io loopback) and test\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 08:58 |
| - | 2095 | ((ac/io loopback) and test\$3) and @ad<20010629                     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 08:59 |
| - | 318  | ((((ac/io loopback) and test\$3) and @ad<20010629) and 714/\$.ccls. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:02 |
| - | 617  | tripp.in.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:02 |
| - | 35   | tripp.in. and (defects that impact)                                 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:02 |
| - | 10   | (tripp.in. and (defects that impact)) and structurally              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:04 |
| - | 175  | sine.in.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:04 |
| - | 18   | sine.in. and(buffer self-test)                                      | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:05 |
| - | 1    | (sine.in. and(buffer self-test)) and characterization               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:09 |
| - | 2    | 6477674.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:11 |
| - | 2    | 5869983.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:15 |
| - | 2    | 6348826.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:17 |
| - | 2    | 6348811.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:52 |

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| - | 17750  | intel.as.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:52 |
| - | 14     | (intel.as. and (io loopback)) and ac  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:55 |
| - | 184    | intel.as. and (io loopback)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 09:57 |
| - | 104    | (intel.as. and (io loopback)) and @pd<20000629  | USPAT;<br>US-PGPUB                                      | 2003/12/15 11:05 |
| - | 2499   | "delta t"   | USPAT;<br>US-PGPUB                                      | 2003/12/15 11:06 |
| - | 5      | "delta t" and intel.as.   | USPAT;<br>US-PGPUB                                      | 2003/12/15 13:14 |
| - | 37473  | (signal with time) and multiplex  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 13:15 |
| - | 49     | (multiplex adj signal) with clock and demultiplex                                     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:31 |
| - | 424    | (test adj result\$1) and ("xor")  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:34 |
| - | 1064   | ((test adj result\$1) and ("xor")) and "or"   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:35 |
| - | 359124 | l1and ("or")  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:35 |
| - | 291    | ((test adj result\$1) and ("xor")) and ("and")  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:35 |
| - | 88     | (((((test adj result\$1) and ("xor")) and ("and")) and ("or")) and measure\$4         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:37 |
| - | 0      | (((((test adj result\$1) and ("xor")) and ("and")) and ("or")) and ("all" adj "good") | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:37 |
| - | 0      | (((((test adj result\$1) and ("xor")) and ("and")) and ("or")) and ("all" adj "bad")  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:37 |

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| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and (all near bad)                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:38 |
| - | 5   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and (one near fail)                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:45 |
| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and (all near fail)                   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:45 |
| - | 248 | (((test adj result\$1) and ("xor")) and ("and")) and ("or"))                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:50 |
| - | 208 | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and @ad<20010629                      | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:51 |
| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and @ad<20010629) and (all near fail) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:51 |
| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and @ad<20010629) and (all near bad)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:52 |
| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and @ad<20010629) and (all and bad)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:52 |
| - | 0   | (((test adj result\$1) and ("xor")) and ("and")) and ("or")) and @ad<20010629) and (all and fail)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 14:52 |
| - | 2   | 5621739.pn.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/16 11:04 |